

FIG. 1 (Prior Art)

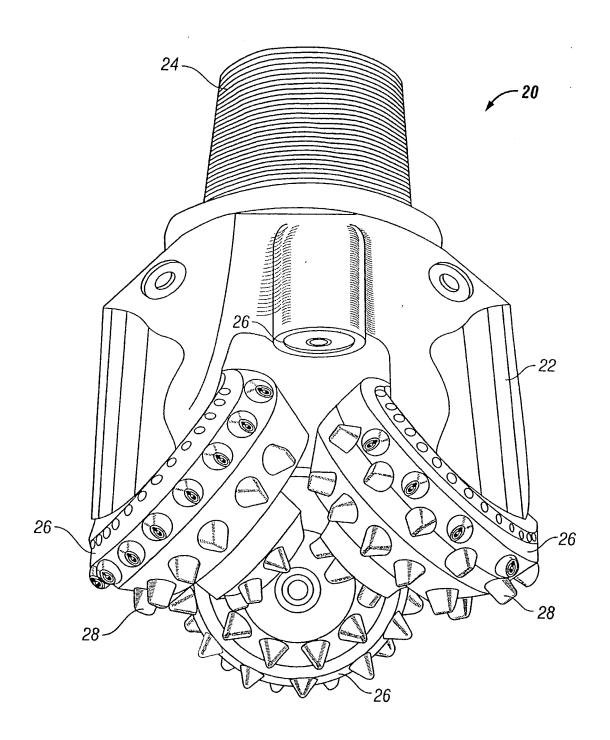


FIG. 2 (Prior Art)

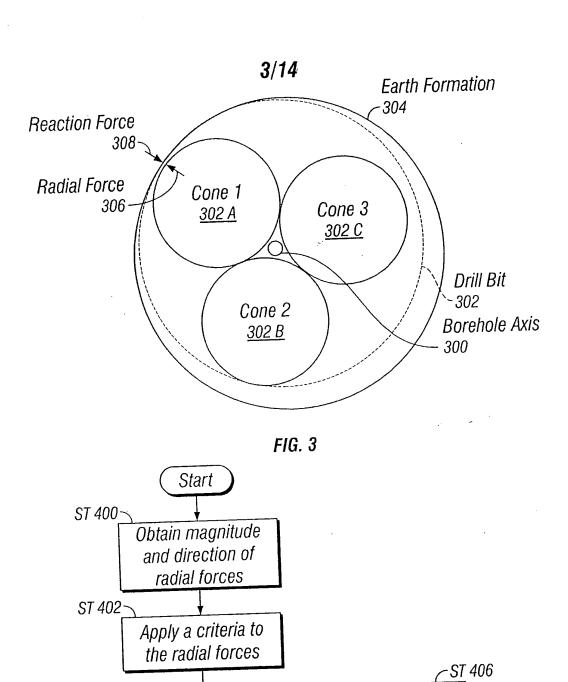


FIG. 4

Yes_

ST 404-

Continue

analysis

End

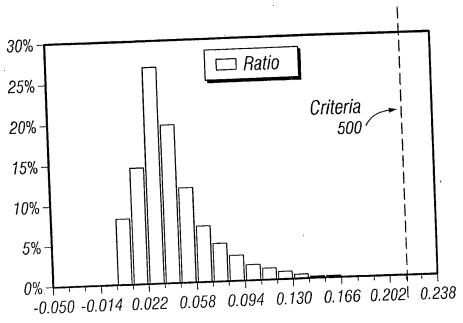
, No

Adjust design and

obtain magnitude

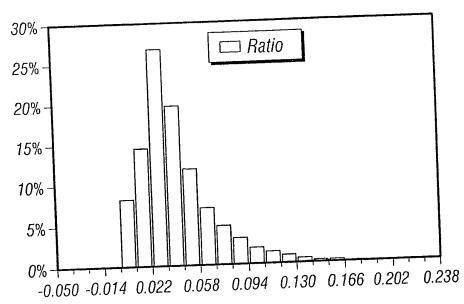
and direction of

radial forces for the adjusted design



Ratio of Lateral Force to WOB

FIG. 5



Ratio of Lateral Force to WOB

FIG. 6

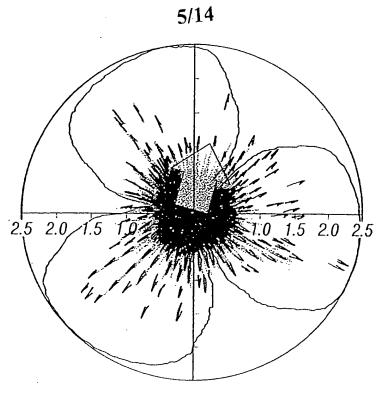
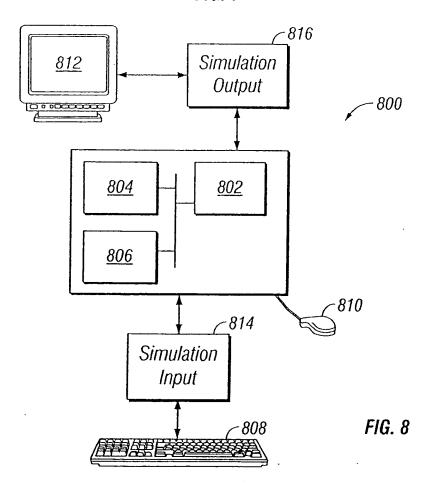
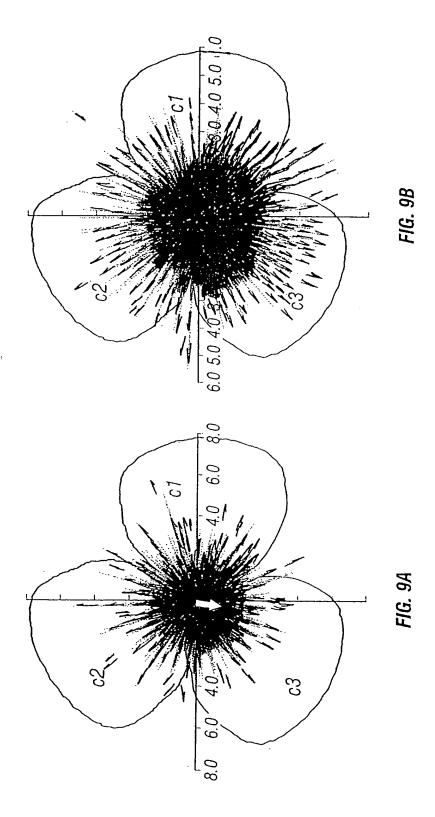


FIG. 7





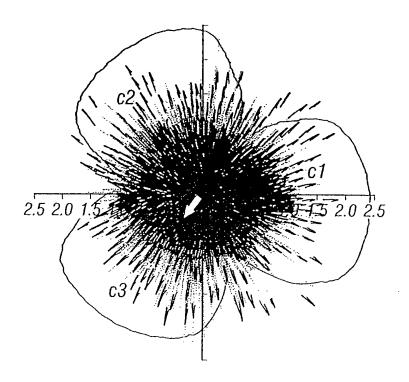
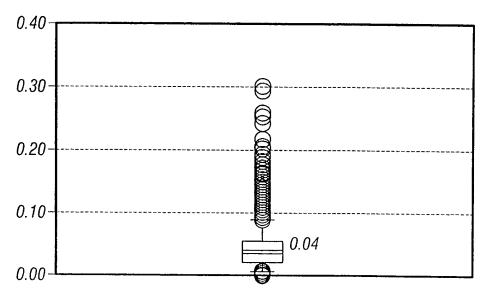
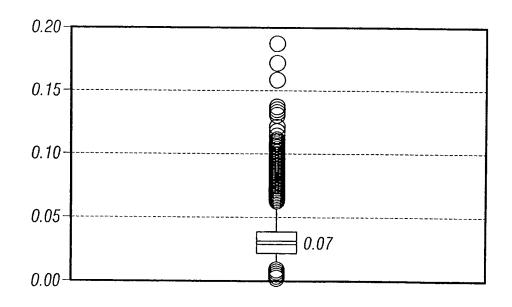


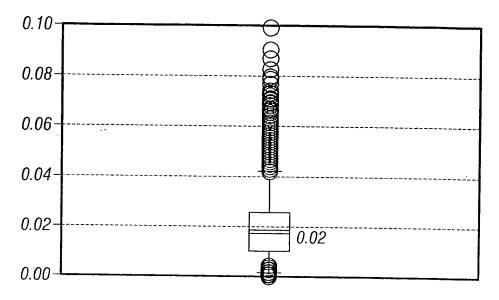
FIG. 9C



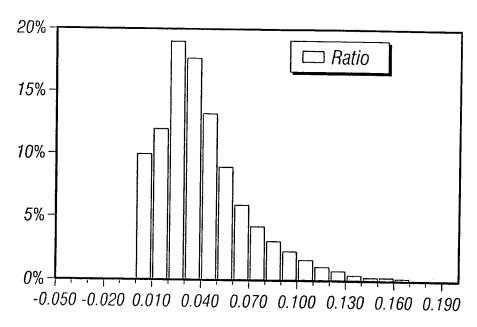
Ratio of Force H to WOB
FIG. 10A



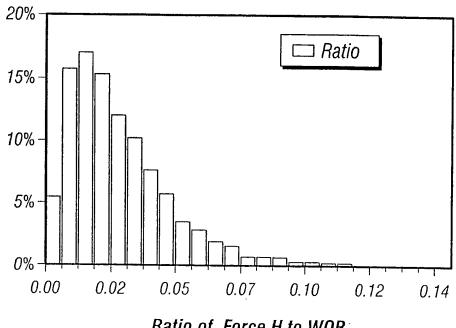
Ratio of Force H to WOB FIG. 10B



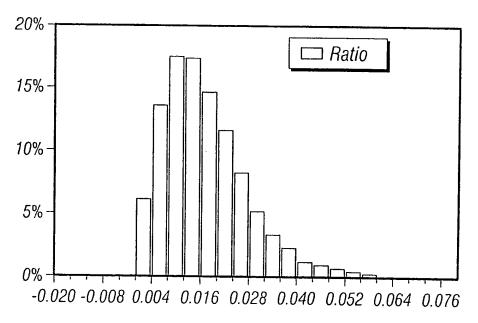
Ratio of Force H to WOB FIG. 10C



Ratio of Lateral Force to WOB
FIG. 11A



Ratio of Force H to WOB FIG. 11B



Ratio of Lateral Force to WOB
FIG. 11C

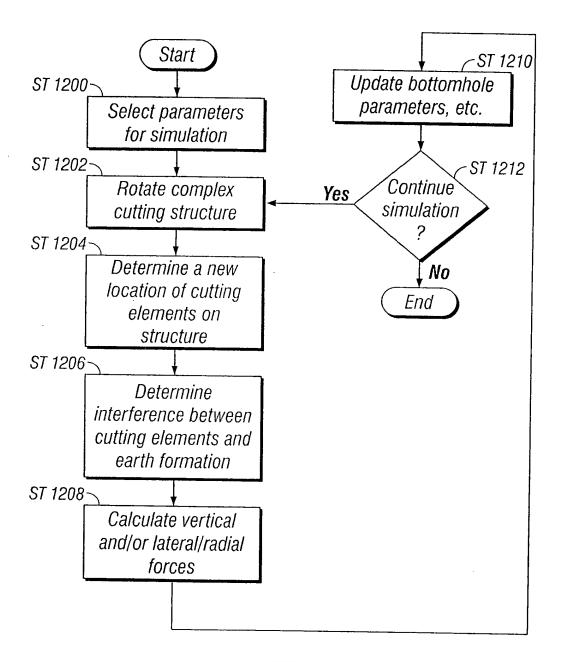
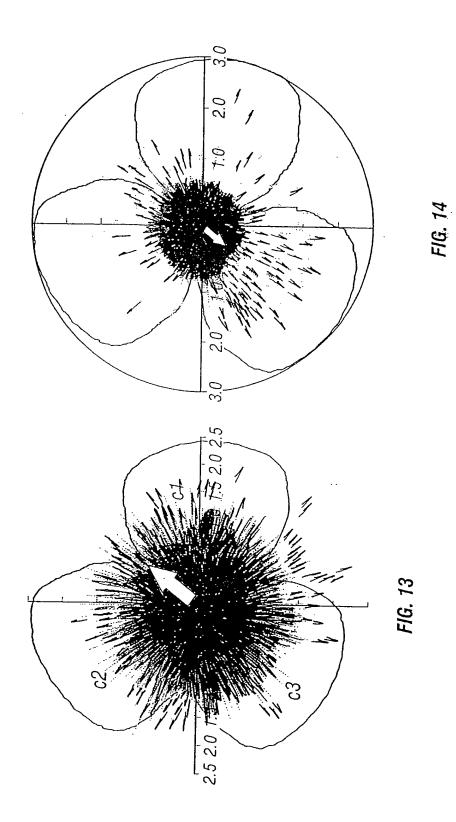


FIG. 12



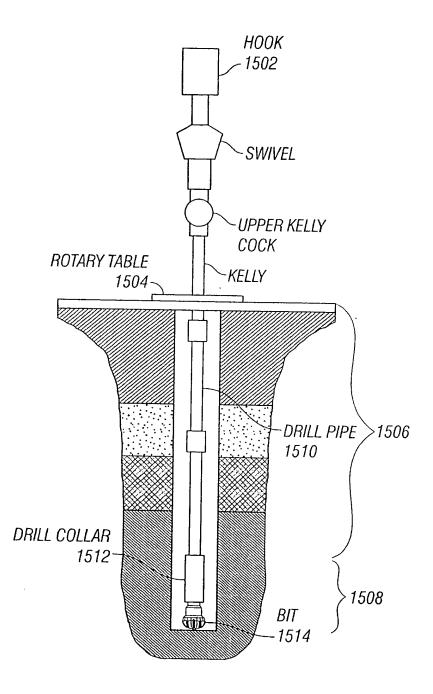


FIG. 15

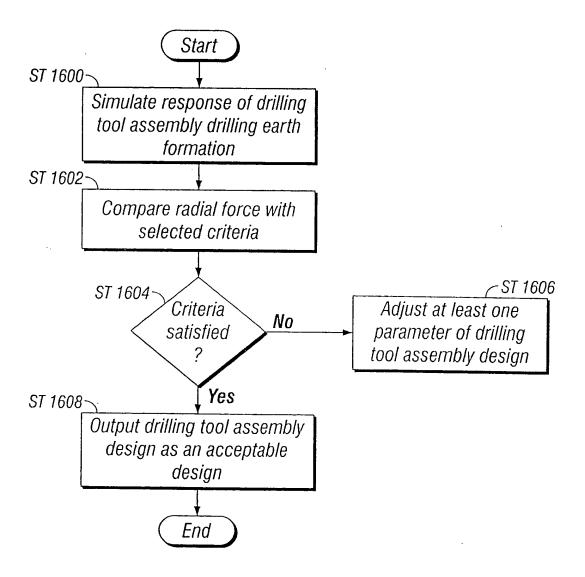


FIG. 16